

<b>Interview Summary</b>	Application No.	Applicant(s)	
	10/829,365	LU ET AL.	
	Examiner	Art Unit	
	David D. Le	3681	

All participants (applicant, applicant's representative, PTO personnel):

(1) David D. Le. (3) \_\_\_\_\_

(2) Jun Y. Lee. (4) \_\_\_\_\_

Date of Interview: 11 January 2006.

Type: a) ☐ Telephonic b) ☐ Video Conference  
c) ☒ Personal [copy given to: 1) ☐ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.

If Yes, brief description: \_\_\_\_\_

Claim(s) discussed: 1.

Identification of prior art discussed: U.S. Patent Application Publication No. US 2001/0024996.

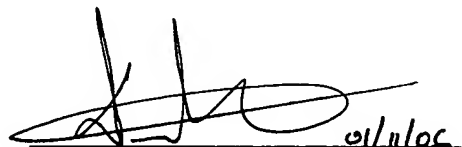
Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: The proposed claim 1 appears to overcome the applied art.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

  
Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

#### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Chun-Hsien Lu, et al. :Group  
Serial No: 10/829,365 :Art Unit #3681  
Filed: 22 April 2004 :Examiner: D.D. Le  
Title: HYBRID SYSTEM WITH A CONTROLLABLE  
FUNCTION OF VARIABLE SPEED TRANSMISSION

**PROPOSED AMENDED CLAIMS**  
**(INFORMAL COMMUNICATION)**

PROPOSED Listing of Claims:

1. (Currently amended) A hybrid system with a controllable function of variable speed transmission adopting a plurality of power sources ~~to cooperate each other~~ for power transmission by way of a complex combination of the power sources, comprising:

at least one first electric power driving device being a first power source of the system;

at least one fuel driving device being a second power source of the system and started by combustible ~~regular~~ fuel;

an integrated power assistant device coupled to the fuel driving device selectively operable to start the fuel driving device, to generate power responsive to the fuel driving device working, and to assistively augment the power of the fuel driving device;

at least one automatic clutching device controlling clutching actions of the fuel driving device and the first electric power driving device and located

between the fuel driving device and the first electric power driving device;

at least one continuously variable transmission device for generating  
~~proceeding~~ driving actions, the of continuously variable transmission ~~and~~ further  
having another power source for actuation thereof ~~for driving itself~~; and,

at least one system-controlling device controlling actions among the  
first electric power driving device, the fuel driving device, the integrated power  
assistant device, and the automatic clutching device;

wherein the fuel driving device is disposed between the automatic  
clutching device and the integrated power assistant device for series connection  
therewith; and, the first electric power driving device is connected to the fuel  
driving device, the automatic clutching device, and the continuously variable  
transmission device in series.

2. (Canceled).

3. (Canceled).

4. (Currently amended) The hybrid system with a controllable function  
of variable speed transmission as recited in claim 1 ~~3~~, wherein the plurality of  
power sources comprises at least one of the following: electric power, fuel, and  
solar power energy ~~and the like~~.

5. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 1 3, wherein the first electric power driving device is a motor and further comprises a motor control unit.

6. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 1 3, wherein the fuel driving device and the automatic clutching device are selectively engaged ~~off as always~~ ~~and combined~~ for power driving by means of the automatic clutching device.

7. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 1 3, wherein the fuel driving device is an engine and further comprises an engine control unit.

8. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 1 3, wherein the combustible ~~regular~~ fuel is one of the following: gasoline, diesel ~~and the like~~.

9. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 1 3, wherein the automatic clutching device further comprises an auto-control clutch to assemble the fuel

driving device and the first electric power driving device in series connection for power driving but with a function of a parallel connection.

10. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 1 3, wherein the integrated power assistant device further comprises a starting generator, a multi-stage power switch unit, and a battery control unit.

11. (Canceled).

12. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 1 2, wherein the first electric power driving device is connected to the fuel driving device, the automatic clutching device and the continuously variable transmission device in series.

13. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 12, wherein the plurality of power sources comprises at least one of the following: electric power, fuel, solar power energy ~~and the like~~.

14. (Currently amended) The hybrid system with a controllable function

of variable speed transmission as recited in claim 12, wherein the first electric power driving device is a motor and further comprises a motor control unit.

15. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 12, wherein the fuel driving device and the automatic clutching device are off as always and combined for power driving by means of the automatic clutching device.

16. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 12, wherein the fuel driving device is an engine and further comprises an engine control unit.

17. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 12, wherein the combustible ~~regular~~ fuel is one of the following: gasoline, diesel ~~and the like~~.

18. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 12, wherein the automatic clutching device further comprises an auto-control clutch to assemble the fuel driving device and the first electric power driving device in series connection for power driving but with a function of a parallel connection.

19. (Currently amended) The hybrid system with a controllable function of variable speed transmission as recited in claim 12, wherein the integrated power assistant device further comprises a starting generator, a multi-stage power switch unit and a battery control unit.

20. (Canceled).

21. (New) The hybrid system with a controllable function of variable speed transmission as recited in claim 1 3, wherein the continuously variable transmission device further comprises:

a front pulley and a rear pulley, and each of the front and rear pulleys including opposed movable and fixed pulleys, the movable pulleys of the front and rear pulleys being reversed in orientation one relative to the other, the front and rear pulleys being connected by a V-belt, each of the movable pulleys being selectively driven to move relative to the fixed pulley corresponding thereto; and,

a middle retardation shaft driven responsive to the rear pulley.

22. (New) The hybrid system with a controllable function of variable speed transmission as recited in claim 12, wherein the continuously variable



transmission device further comprises:

a front pulley and a rear pulley, and each of the front and rear pulleys including opposed movable and fixed pulleys, the movable pulleys of the front and rear pulleys being reversed in orientation one relative to the other, the front and rear pulleys being connected by a V-belt, each of the movable pulleys being selectively driven to move relative to the fixed pulley corresponding thereto; and,

a middle retardation shaft driven responsive to the rear pulley.

Respectfully submitted,  
For: ROSENBERG, KLEIN & LEE

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